

Arş. Gör. UMUT KUMLU

Kişisel Bilgiler

E-posta: ukumlu@cu.edu.tr

Web: <https://avesis.cu.edu.tr/ukumlu>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-7624-6240

Publons / Web Of Science ResearcherID: AAF-6586-2021

Yoksis Araştırmacı ID: 338775

Araştırma Alanları

Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Effect of TMAB and ZrC concentration on mechanical and morphological properties of Ni-B/ZrC composite electrodeposition**
Hükümdar Ö., Kumlu U., Keskin A., Akar M. A.
MATERIALPRUEFUNG/MATERIALS TESTING, cilt.68, sa.1, ss.1-19, 2025 (SCI-Expanded)
- II. Effects of different production methods and hybridization on mechanical characteristics of basalt, flax, and jute fiber-reinforced composites**
Kumlu U., Karacor B., Özcanlı M.
MATERIALS TESTING, 2024 (SCI-Expanded)
- III. Numerical investigation of crash behavior of vehicle side door beams under high-speed pole side impacts**
Akar M. A., Kumlu U., Yıldızhan Ş.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART D: JOURNAL OF AUTOMOBILE ENGINEERING, cilt.237, sa.14, ss.3408-3418, 2023 (SCI-Expanded)
- IV. Hybrid jute/carbon fiber composites: optimum post-curing time**
Karaçor B., Özcanlı M., Kumlu U.
IRANIAN POLYMER JOURNAL (ENGLISH EDITION), cilt.32, sa.11, ss.1443-1454, 2023 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. Acoustic emission reduction in vehicles by using MPP structures in wheel ARCH liner structures**
Gültekin Y., Jean T., Akar M. A., Kumlu U.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, cilt.46, sa.6, ss.1749-1755, 2024 (ESCI)
- II. Ahmed Cisminde Çukurlu Yüzeyler Kullanmanın Akış Karakteristiklerine Etkisi**
AYDIN V. K., AKAR M. A., BAŞ O., KUMLU U.
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), cilt.7, sa.3, ss.1358-1373, 2024 (Hakemli Dergi)
- III. Investigation of the under-vehicle plastic protection parts manufactured by core-back injection process in terms of strength and weight**

GÜLTEKİN Y., AKAR M. A., ALTINDAĞ A., DURAN D., KUMLU U.

International Journal of Automotive Engineering and Technologies, cilt.12, sa.4, ss.133-143, 2023 (Hakemli Dergi)

IV. **Analysis of the wear and friction of brake pad added cashew and ulexite using ANSYS**

Akar M. A., Sugözü İ., Bilgi G., Kumlu U.

International Journal of Automotive Engineering and Technologies, cilt.12, sa.3, ss.83-91, 2023 (Hakemli Dergi)

V. **Tensile and Morphological Properties of Waste Tire Rubber Granule/Polyester Polymer Matrix Composite**

Yıldızhan Ş., Yel F., Akar M. A., Kumlu U.

Çukurova Üniversitesi Mühendislik Fakültesi dergisi, cilt.37, sa.3, ss.773-779, 2022 (Hakemli Dergi)

VI. **The Usage of Natural Fibers for Automotive Applications**

Akar M. A., Tosun A. T., Yel F., Kumlu U.

Macromolecular Symposia, cilt.404, sa.1, ss.1-3, 2022 (Scopus)

VII. **Potential of Using Agricultural Waste Composites as Thermal Insulation Material**

Serin H., Güzel G., Kumlu U., Akar M. A.

Macromolecular Symposia, cilt.404, sa.1, ss.1-3, 2022 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Synthesis and Mechanical Properties Investigation of Ni-P/Ni-B-Cr₃C₂ Duplex Composite Coatings**

AŞGAN S. M., HÜKÜMDAR Ö., KUMLU U., KESKİN A., AKAR M. A.

11. INTERNATIONAL EUROPEAN CONGRESS ON ADVANCED STUDIES IN BASIC SCIENCES, ROMA, İtalya, 11 Kasım 2024, ss.128-141

II. **Effect of Pulse Frequency on Mechanical Properties of Electrodeposition Ni-W/Al₂O₃ Nanocomposites on Copper Substrate**

AYBACI Y., YALYANÇ F., HÜKÜMDAR Ö., KUMLU U., KESKİN A., AKAR M. A.

CUKUROVA 13th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Türkiye, 01 Eylül 2024, ss.400-412

III. **Investigation of The Effect of Bath Temperature on Ni-W/Al₂O₃ Nanocomposite Coatings Produced by Electrodeposition Method**

AYBACI Y., YALYANÇ F., KOCABUĞA F. N., HÜKÜMDAR Ö., KUMLU U., KESKİN A., AKAR M. A.

CUKUROVA 13th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Türkiye, 01 Eylül 2024, ss.272

IV. **Examination of different material designs through finite element analysis on the military vehicle platform**

Kumlu U., Karaçor B., Kılınç Ö., Aslan A.

IV. International Siirt Conference on Scientific Research, Siirt, Türkiye, 17 - 18 Kasım 2023, ss.268-286

V. **Crashworthiness analysis of circular and elliptical cross-sectional beams in vehicle door**

Kumlu U., Karaçor B., Özkeser B., Aslan A.

IV. International Siirt Conference on Scientific Research, Siirt, Türkiye, 17 - 18 Kasım 2023, ss.287-300

VI. **Ballistic evaluation of armor plates at different angles**

Kumlu U., Akar M. A., Başer D., Hükümdar Ö., Karaçor B.

2nd International Congress on Multidisciplinary Natural Sciences, Ankara, Türkiye, 01 Aralık 2022, ss.230-240

VII. **The effect of air gap of multi-layered armour configuration during ballistic impact**

Kumlu U., Aldatmaz İ., Akar M. A., Karaçor B., Ercan E. S., Erdal D.

7th International Mediterranean Science and Engineering Congress (IMSEC 2022), Antalya, Türkiye, 24 - 26 Ekim 2022, cilt.1, sa.236, ss.565-570

VIII. **Effect of rotational thrust on different geometries in crashing boxes**

Kumlu U., Erdal D., Karaçor B., Akar M. A.

7th International Mediterranean Science and Engineering Congress (IMSEC 2022), Antalya, Türkiye, 24 - 26 Ekim 2022, cilt.1, sa.212, ss.508-514

IX. **EPS/RRG/KIRPILMIŞ FİBERLER/POLİMER REÇİNE KOMPOZİTLERİNİN DARBE DAYANIMININ**

İNCELENMESİ

Soyusinmez T., Güzelipek O., Serin H., Özcanlı M., Kumlu U., Yıldızhan Ş.

Mediterranean International Conference on Research in Applied Sciences, Antalya, Türkiye, 22 - 24 Nisan 2022, ss.147-153

X. **Evaluation of Jute and Cotton Fabrics as Reinforcement Agent in Polymer Matrix Composites**

Tosun A. T., Akar M. A., Kumlu U.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.311

XI. **Crashworthiness analysis of heavy truck chassis by using finite element analysis**

Karaçor B., Kapulu İ., Kumlu U., Özcanlı M.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.635-642

XII. **Recycled Waste Tyre Granules as Filler Material in Polymer Matrix: Mechanical Characterization Assessment**

Yel F., Akar M. A., Kumlu U.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.310

XIII. **Crashworthiness Analysis of Vehicle Side Door Beam with Finite Element Analysis**

Kumlu U., Akar M. A., Özcanlı M., Serin H., Çalık A.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.615

Metrikler

Yayın: 25

Akademi Dışı Deneyim

KOLUMA OTOMOTİV ENDÜSTRİ AŞ.